

## Appendix VIII

Alignment of instant SEQ ID NO: 3 and SEQ ID NO: 19 of 12/349,899

```
>clcl27253 SID_19
Length=594

Score = 1098 bits (594), Expect = 0.0
Identities = 594/594 (100%), Gaps = 0/594 (0%)
Strand=Plus/Plus

Query 2032 CTGCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGTCCTGGAAGGTGCT 2091
      |||||||
Shjet 1 CTGCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGTCCTGGAAGGTGCT 60

Query 2092 ACTCCAGTGCCCAACAGGCTTTGTCCTAATAAAATTAAGTTGCATCATTTTGTTTGACTAG 2151
      |||||||
Shjet 61 ACTCCAGTGCCCAACAGGCTTTGTCCTAATAAAATTAAGTTGCATCATTTTGTTTGACTAG 120

Query 2152 GTGTCCTTGTATAATATTATGGGGTGGAGGCGGGTGGTATGGAAGAGGGGCCAGGTTGG 2211
      |||||||
Shjet 121 GTGTCCTTGTATAATATTATGGGGTGGAGGCGGGTGGTATGGAAGAGGGGCCAGGTTGG 180

Query 2212 GAAGACAACCTGTAGGGCCCTTCAGGGTCTATTTCGGGAACAGGCTGGAGTGCAGTGGCAG 2271
      |||||||
Shjet 181 GAAGACAACCTGTAGGGCCCTTCAGGGTCTATTTCGGGAACAGGCTGGAGTGCAGTGGCAG 240

Query 2272 TCTTGGCTCGCTGCAATCTCCGCCCTCTGGGTTCAAGCGATTCTCCTGCCTCAGTCTCCC 2331
      |||||||
Shjet 241 TCTTGGCTCGCTGCAATCTCCGCCCTCTGGGTTCAAGCGATTCTCCTGCCTCAGTCTCCC 300

Query 2332 GAATAGTTCGGATTCCAGGCATGCAAGACAGGCTCAGCTAAATTTTGTATTTTGGTAG 2391
      |||||||
Shjet 301 GAATAGTTCGGATTCCAGGCATGCAAGACAGGCTCAGCTAAATTTTGTATTTTGGTAG 360

Query 2392 AGACGGGGTTTCACCAATATTGGCCAGTCTGTGCTCCCATCTCTGACCTCAGGTAATCCGC 2451
      |||||||
Shjet 361 AGACGGGGTTTCACCAATATTGGCCAGTCTGTGCTCCCATCTCTGACCTCAGGTAATCCGC 420

Query 2452 CCGCCCTCGGCTCCCAAATTGCTGGGATTACAGGTATGAGCCACTGGGGCCCTTCCCTGTC 2511
      |||||||
Shjet 421 CCGCCCTCGGCTCCCAAATTGCTGGGATTACAGGTATGAGCCACTGGGGCCCTTCCCTGTC 480

Query 2512 CTGTGATTTTAAATAATTATACCAAGCAGAAGGACGTCAGACACAGCATGGGGCTACCTG 2571
      |||||||
Shjet 481 CTGTGATTTTAAATAATTATACCAAGCAGAAGGACGTCAGACACAGCATGGGGCTACCTG 540

Query 2572 GCCATGCCCAAGCCAGTTGGACATTTGAGTTGTTTGGCTTGGCACTGTCTCTCAT 2625
      |||||||
Shjet 541 GCCATGCCCAAGCCAGTTGGACATTTGAGTTGTTTGGCTTGGCACTGTCTCTCAT 594
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